#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau



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(43) International Publication Date 21 October 2004 (21.10.2004)

# (10) International Publication Number WO 2004/089608 A3

- (51) International Patent Classification: E21B 23/01 (2006.01) E21B 29/08 (2006.01)
- (21) International Application Number:

PCT/US2004/010317

- (22) International Filing Date: 2 April 2004 (02.04.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/459,776

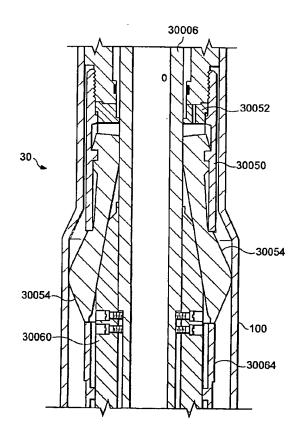
2 April 2003 (02.04.2003) US

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GII, GM, IIR, IIU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: APPARATUS FOR RADIALLY EXPANDING AND PLASTICALLY DEFORMING A TUBULAR MEMBER



(57) Abstract: An apparatus for radially expanding and plastically deforming a tubular member.

### WO 2004/089608 A3



#### Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv))

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

13 July 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/10317

A. CLAS IPC:	SIFICATION OF SUBJECT MATTER E21B 23/01( 2006.01),29/08( 2006.01)	······································		
USPC: 166/55.7,118,207,298,382,384 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELI	DS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 166/55.7,118,207,298,382,384				
Documentation	on searched other than minimum documentation to the o	extent that such documents are included in	the fields searched	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.	
Х	US 6,076,601 A (MOONEY, JR.) 20 June 2000 (20.0 the figures.		284, 469-478	
Х	US 5,735,359 A (LEE et al.) 07 April 1998 (07.04.19) Figs. 1-2.	98), see entire document, especially	284, 469-478	
х	US 4,889,197 A (BOE) 26 December 1989 (26.12.19) Figs. 1-2.	89), see entire document, especially	284, 469-478	
Х	US 6,464,003 B2 (BLOOM et al.) 15 October 2002 ( especially Fig. 2.	15.10.2002), see entire document,	298, 304-306, 479-481	
х	US 5,887,654 A (EDWARDS et al.) 30 March 1999 (especially the figures.	(30.03.1999), see entire document,	298, 304-306, 479-481	
x	US 6,457,966 B1 (SAVIOLI) 01 October 2002 (01.1) the figures.	0.2002), see entire document, especially	338-389	
х	US 4,080,140 A (WILSON et al.) 21 March 1978 (21 especially the figures.	.03.1978), see entire document,	338-389	
X Further	r documents are listed in the continuation of Box C.	See patent family annex.		
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Date of the actual completion of the international search  Date of mailing of the international search			h report	
	5 (17.05.2006)	& D WIAY ZUUb		
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Alexandria, Virginia 22313-1450  Facsimile No. (571) 273-3201  Telephone No. (571) 272-5150				

Form PCT/ISA/210 (second sheet) (April 2005)

#### INTERNATIONAL SEARCH REPORT

International application No. PCT/US04/10317

	to claim No.
A US 6,607,220 B2 (SIVLEY, IV) 19 August 2003 (19.08.2003), se entire document, especially 33	18-389

#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/10317

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)		
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:		
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:		
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).		
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
	ional Searching Authority found multiple inventions in this international application, as follows: ontinuation Sheet		
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.  As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:		
4. Remark on 1	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  Protest		

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